

R E M A R K S

Reconsideration of this application, as amended, is respectfully requested.

The specification has been updated to indicate that the parent application has issued as a patent. Approval and entry of this amendment to the specification is respectfully requested.

Claim 30 has been canceled, new claims 31-41 being substituted therefor. The new claims are clearly fully supported by the original disclosure and are directed to the elected subject matter. The new claims have been prepared in order to more clearly and specifically recite the present invention, so as to highlight the distinctions between the present invention and the teachings of the references, as will become apparent from the following. No new matter has been added.

It is respectfully requested that new claims 31-41 be approved and entered.

It is respectfully submitted that new claims 31-41 all patentably distinguish over USP 5,122,783, USP 5,185,602 and Japanese 2-113476 (CASIO), taken singly or in any logical combination, under 35 USC 102 as well as under 35 USC 103. Below is a discussion of the present claimed invention and of the teachings of the cited prior art.

The object of the present claimed invention is to provide a liquid crystal display apparatus capable of accomplishing a gradated or gray-scaled display with high response speed with respect to an input video signal.

According to the present claimed invention, this object can be realized by providing a gray scale memory to store the gray scale data which is read out in accordance with a difference value obtained from a comparison between the current image data of a current frame and the previous image data of a previous frame.

Prior claim 30 was rejected as being anticipated by USP 5,122,783 and by USP 5,183,602. This rejection is traversed with reference to new claims 31-41.

The current pixel data and the previous pixel data described in USP 5,122,783 are those in one and the same frame and are supplied to two adjacent pixels on a display panel, respectively.

On the contrary, according to the present invention, as claimed in new claims 31-41, image data of two different frames (not the same frame), namely, the current image data of a current frame and the previous image data of a previous frame (which is a different frame from the current frame), are supplied to the same pixel during the current frame and the previous frames, respectively. This is very different from the technique of USP 5,122,783.

The same argument is also applicable to USP 5,185,602.

Prior claim 30 was also rejected as being obvious over JP 2-133476 (CASIO) and USP 5,185,602. This rejection is traversed with reference to new claims 31-41.

The (CASIO) system of JP 2-113476 stores a frame of image data but does not have means for storing the gradation or gray scale data. When gradated image data is supplied to the image display apparatus of the present invention as claimed in new claims 31 or 32, the gradated image data supplied to the apparatus is not supplied to the display panel, but different gradated image data read from the gradation image data storing means (claim 31) or generated from the gray scale data generating means (claim 32), is supplied.

As should be clear from the foregoing, the gradation image data storing means recited in new claim 31 of the present application or the gray scale data generating means recited in new claim 32 of the present application is not taught, suggested or rendered obvious by any or all of the cited references, including USP 5,122,783, USP 5,183,602 and JP 2-113476, taken singly or in any logical combination, under 35 USC 102 as well as under 35 USC 103.

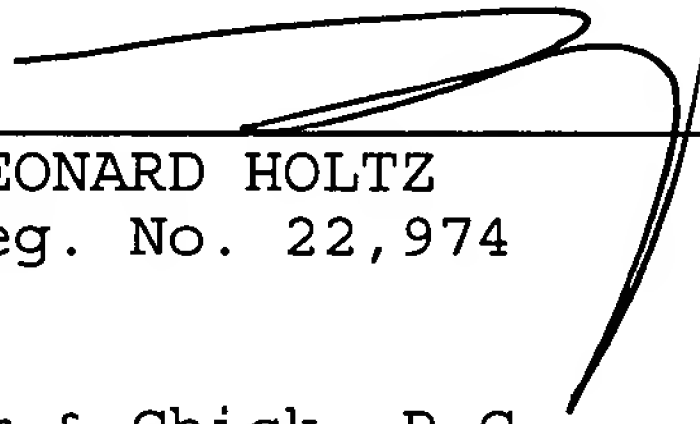
Claims 33-41 depend either directly or indirectly from claim 32 and recite further features of the invention which also distinguish over the cited prior art discussed hereinabove.

In view of the above, it is respectfully submitted that all of the claims patentably distinguish over all of the cited prior art, taken singly or in any combination, under 35 U.S.C. 102 as well as under 35 U.S.C. 103.

Entry of the amendment, allowance of the claims, and the passing of the application to issue is respectfully solicited.

If the Examiner has any comments, questions, objections or recommendations, the Examiner is invited to telephone the undersigned at the telephone number given below for prompt action.

Respectfully submitted,



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